



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 4, 2019

Ms. Jessica McLaughlin  
Product Steward  
North America – Crop Protection  
Taminco US LLC  
Two Windsor Plaza, Suite 411  
7540 Windsor Drive  
Allentown, PA 18195

Subject: Label Amendment – Add peaches use and other label revisions  
Product Name: Thiram SC  
EPA Registration Number: 45728-26  
Application Date: May 21, 2018  
Decision Number: 541637

Dear Ms. McLaughlin:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

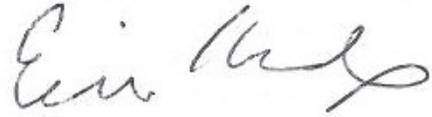
A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact BeWanda Alexander by phone at (703)347-0313, or via email at [alexander.bewanda@epa.gov](mailto:alexander.bewanda@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Erik Kraft". The signature is fluid and cursive, with the first name "Erik" being more prominent than the last name "Kraft".

Erik Kraft, Product Manager 24  
Fungicide and Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

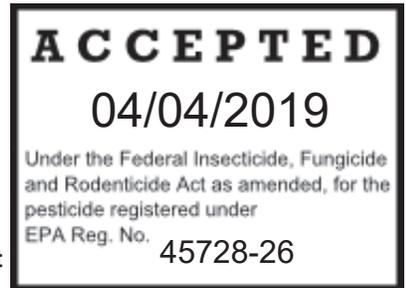
**Note to PM:**

***Bold, italicized text is information for the reader and is not part of the label.***

[Bracketed information is optional.] Text separated by / denotes and/or options.

**Group M3 FUNGICIDE**

# Thiram SC



**Alternate Brand Names:**

- Thiram SC Fungicide
- Thiram SC – Fungicide
- Thiram SC Fungicide & Repellent
- Thiram SC – Fungicide & Repellent
- Thiram SC Fungicide & Animal Repellent
- Thiram SC – Fungicide & Animal Repellent
- Thiram SC Fungicide & Deer Repellent
- Thiram SC – Fungicide & Deer Repellent

Intended for use by professional applicators only

**ACTIVE INGREDIENT:**

Thiram [Tetramethylthiuram disulfide] .....	44.0%
OTHER INGREDIENTS.....	56.0%
	TOTAL 100.0%

Thiram SC is a suspension concentrate (SC) containing 4.2 lbs. of active ingredient per gallon.

EPA Reg. No. 45728-26

EPA Est. No. 32557-BEL-1

NET CONTENTS: XX.X lbs.

**Keep Out Of Reach Of Children**

## CAUTION

<b>FIRST AID</b>	
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Emergencies involving a Spill, Leak, Fire, Exposure, or Accident, Contact: CHEMTREC at (800) 424-9300. For product usage information, phone Taminco US LLC, toll free at 423-229-2000 from 9:00 AM to 5:00 PM Eastern time.</p>	

**SEE SIDE/BACK PANEL OR ATTACHED BOOKLET OR AS APPROPRIATE FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.**

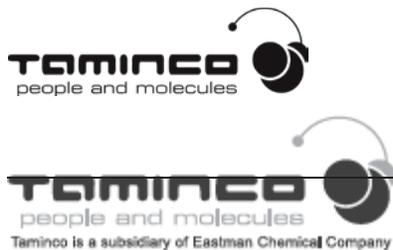
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EPA Reg. No. 45728-26

***Optional Company Identifier:***



***Optional Marketing Claims:***

Fungicide for Plant Disease Control, Seed Treatment, and Animal Repellency

Fungicide and Repellent

Thiram SC may be used for nursery applications

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing spray mist or vapor. Do not take alcohol immediately before or after exposure to this product. The consumption of alcohol by the applicator can increase the toxicity of the product. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### All mixers, loaders, applicators, and other handlers must wear:

- Long sleeved shirt and long pants;
- Shoes and socks;
- Chemical-resistant gloves, except for pilots and for handlers sewing bags of treated seed;
- Chemical-resistant apron when mixing, loading, participating in dip treatments, cleaning up spills, cleaning equipment or otherwise exposed to the concentrate;

**Note: Persons involved in bagging treated seed, sewing or moving bags of treated seed, or cleaning up bagging areas or seed treatment equipment are pesticide handlers and must wear the PPE required on this label for pesticide handlers.**

See engineering controls for additional requirements and options.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### Engineering control statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

#### USER SAFETY RECOMMENDATIONS:

- Users should wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This chemical is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposing of equipment washwaters or rinsate.

Treated seeds and bulbs are hazardous to fish, birds and mammals. Do not plant treated seeds by broadcasting to soil surface. Ensure that all seeds and bulbs are thoroughly covered with soil, especially in turn areas. If seeds and bulbs are not thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds and bulbs.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination Systems (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not apply where conditions favor drift from treatment area.

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### ENDANGERED SPECIES

This product may have effects on federally listed threatened or endangered species or their critical habitat in some counties. It is a violation of federal law to kill, harm or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species Bulletin for the County or Parish in which you are applying this product. To determine whether your County or Parish has a Bulletin, consult <http://www.epa.gov/espp> before each season's use of this product.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not graze treated areas or feed clippings to livestock.

### SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter or 300 microns or greater for spinning atomizer nozzles. Apply only when wind speed is 2-10 mph at the application site.

Additional requirements for aerial applications:

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 15 feet above the crop canopy. When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Do not make applications into temperature inversions.

Additional requirements for ground boom applications:

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

**CHEMIGATION: Do not apply this product through any type of irrigation system.**

Do not apply this product using a high pressure hand wand or a rights-of-way sprayer.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling, and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

Exception: Once treated seed or bulbs are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction, if there will be no contact with the treated seeds or bulbs.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, Shoes and socks, Chemical-resistant gloves made of any waterproof material, and protective eyewear.

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box only apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter treated areas until sprays have dried.

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## TURF FUNGICIDE AND ANIMAL REPELLENT

For the control of select foliar diseases in non-residential turf and animal repellency on deciduous and evergreen trees and shrubs (and non-bearing vines and orchards).

### PRODUCT INFORMATION

Thiram SC is to be used for the prevention, control, and suppression of the foliar diseases mentioned below. It can provide both curative and protective action of common turf diseases. Start preventative applications when conditions for disease occurrence are favorable and repeat at 14-day intervals until disease threat is past. Start curative applications when disease first appears and repeat at 14-day intervals as necessary. For best results, use spray mixture the same day it is prepared. Apply after mowing or avoid mowing for twelve hours after application.

Thiram SC may be used in a tank mix with other fungicides for control of foliar turf pathogens. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. No claim of compatibility with other pesticides is implied.

### PRODUCT INSTRUCTIONS

**Seeds and bulbs that are treated with this product and are then packaged or bagged for future use must contain the following labeling on the outside of the seed and bulb package or bag:**

"This bag contains seeds or bulbs treated with thiram. When opening this bag or loading/pouring the treated seeds or bulbs, wear long-sleeved shirt, long pants, shoes, socks, and chemical resistant gloves."

"Endangered Species – This bag contains seed treated with thiram. This product may have effects on federally listed threatened or endangered species or their critical habitat in some counties. It is a violation of federal law to kill, harm or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species Bulletin for the County or Parish in which you are applying the seed. To determine whether your County or Parish has a Bulletin consult <http://www.epa.gov/espp> before each season's use of this product."

"Treated Seed or Bulbs - Do Not Use for Food, Feed, or Oil Purposes."

"After the seeds or bulbs have been planted, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours. Exception: Once the seeds or bulbs are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the seeds or bulbs."

***In addition, for cotton, wheat, barley, oats, and sugar beets include the statement:***

"Plant [cotton, wheat, barley, oats, and sugar beet] seed a minimum of 1 inch deep."

Note - When using formulations that do not contain dye, to comply with 40 CFR 153.155, all seed treated with an economic poison must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

### **For Treatment of Coniferous Seed:**

Damping-off protection: Use 2 quarts of Thiram SC per 100 lbs. of seed (2.10 lbs. of a.i. per 100 lbs. of seed). Slowly add to the seed while turning in a tumbler such as a concrete mixer. Tumble seed for approximately 2 minutes and then spread coated seed on a screen to dry.

### **For the Treatment of Ornamental Bulbs, Corms and Tubers:**

Treat any time after drying. Dip in a suspension made by mixing 1½ pts. of Thiram SC (0.788 lbs. of a.i.) in 8 gals. of water. Agitate the suspension. If they are to be stored, spread out to dry.

### **Directions for Use as a Commercial Seed Treatment:**

Thiram SC is a liquid fungicide for the treatment of seeds listed in the following table. Used according to directions, Thiram SC will usually increase stands and yields by reducing losses from seed decay, damping-off and seedling blights caused by many seed borne and soil borne organisms. Thiram SC will usually control covered smuts or bunt of wheat, barley and rye and covered kernel smut of sorghum and will usually prevent basal rot and decay of ornamental bulbs and tubers. Thiram SC aids in the control of *Alternaria* and *Phoma* on canola. Thiram SC aids in the control of seed borne conidia produced from the honeydew inoculum from field infection of *Claviceps africana* (ergot) on sorghum seed.

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**For Slurry-Type Treater:**

Apply Thiram SC with water as a suspension in the slurry-type treater specifically designed and approved for this purpose.

**For Film Coating Operations:**

Thiram SC has demonstrated good to excellent compatibility with most commercial film coating products. Coating procedures identified by polymer/ coating companies and film-coating equipment manufacturers must be followed when preparing coating preparations containing Thiram SC. If it is desirable to prepare slurries in large containers for addition to the slurry tank, entire contents must be thoroughly agitated before withdrawing any of the slurry.

**THIRAM SC TREATING RATES**

Type of Seed***	Fluid Ounces of Thiram SC per bushel (bu.) OR 100 lbs.	lbs. a.i. per bushel (bu.) OR 100 lbs.
Barley, Millet, Oats, Rye, Sorghum, Triticale, Wheat	2.0 / bu.	0.0656 lbs. a.i. / bu.
Beans (Snap & Dry, Soybeans, Cowpeas)	2.0 / 100 lbs.	0.0656 lbs. a.i. / 100 lbs.
Beans (Lima) and Peas	3.0 / 100 lbs.	0.0984 lbs. a.i. / 100 lbs.
Beets (garden)	8.0 / 100 lbs.	0.262 lbs. a.i. / 100 lbs.
Canola**	6.4 / 100 lbs.	0.209 lbs. a.i. / 100 lbs.
Cantaloupe, Cucumber, Pumpkin, Squash, Watermelon	4.5 / 100 lbs.	0.147 lbs. a.i. / 100 lbs.
Castor beans	4.5 / 100 lbs.	0.147 lbs. a.i. / 100 lbs.
Chicory**	4.5 / 100 lbs.	0.147 lbs. a.i. / 100 lbs.
Corn (Field)	1.5 / bu.	0.0492 lbs. a.i. / bu.
Corn (Sweet)	5.0 / bu.	0.164 lbs. a.i. / bu.
Cottonseed (reginned, fuzzy and acid-delinted)	4.5 / 100 lbs.	0.147 lbs. a.i. / 100 lbs.
Eggplant	6.5 / 100 lbs.	0.213 lbs. a.i. / 100 lbs.
Flax	3.0 / bu.	0.0984 lbs. a.i. / bu.
Grasses	8.0 / 100 lbs.	0.262 lbs. a.i. / 100 lbs.
Okra	6.0 / 100 lbs.	0.196 lbs. a.i. / 100 lbs.
Onions	6.0 / 100 lbs.	0.196 lbs. a.i. / 100 lbs.
Peanuts (shelled and unshelled)*	3.0 / 100 lbs.	0.0984 lbs. a.i. / 100 lbs.
Rice	4.0 / 100 lbs.	0.131 lbs. a.i. / 100 lbs.
Safflower, Sunflower	2.0 / bu.	0.0656 lbs. a.i. / bu.
Sesame	3.0 / 100 lbs.	0.0984 lbs. a.i. / 100 lbs.
Small-seeded legume	8.0 / 100 lbs.	0.262 lbs. a.i. / 100 lbs.
Sugar beets	8.0 / 100 lbs.	0.262 lbs. a.i. / 100 lbs.
Tomatoes	6.0 / 100 lbs.	0.196 lbs. a.i. / 100 lbs.
Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Collards, Endive, Kale, Kohlrabi, Lettuce, Mustard, Peppers, Radish, Spinach, Swiss Chard, Turnip	8.0 / 100 lbs.	0.262 lbs. a.i. / 100 lbs.
Ornamental flower seeds, Ornamental foliage plants in the families Araliaceae (scheffleras), Aracea (philodendrons) and Palmaceae (palms)	8.0 / 100 lbs.	0.262 lbs. a.i. / 100 lbs.

\* Note: in the treatment of peanuts, do not dilute with water.

\*\* Not registered for use in CA

\*\*\* Not for use for on-farm treatment

**Cotton Seed:** The maximum application rate for cotton seed is 1.6 oz. a.i./cwt (1,000 ppm). Plant treated cotton seed a minimum of 1 inch deep.

**Barley Seed:** Plant barley seed a minimum of 1 inch deep.

**Oat Seed:** Plant oat seed a minimum of 1 inch deep.

**Sugar Beet Seed:** Plant sugar beet seed a minimum of 1 inch deep.

**Wheat Seed:** Plant wheat seed a minimum of 1 inch deep.

**Onion Seed:** When 1.5 lbs. a.i./cwt is used, the onion seed must undergo pelletized treatment.

**Note to PM:**

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**For the Treatment of Rice Seed in California:**

Thiram SC is a liquid fungicide for the treatment of rice seed in California.

Used according to directions, Thiram SC will usually increase stands and yields by reducing losses from seed decay, damping-off and seedling blights caused by seed borne and soil borne organisms. Thiram SC may be used on well cured rice seed in California prior to pre-plant soaking. Thiram SC must be used with water as a suspension in treaters suitable for adequate mixing and accurate application to the seed. If it is desirable to prepare slurries in large containers for addition to treater tanks, entire contents must be thoroughly agitated before withdrawing any of the slurry for seed treatment.

**How to Use:** Rice seed treatment in California

<b>Slurry Treaters:</b>		
<b>Treater Tank Concentration:</b>	<b>Fluid Ounces of Thiram SC per 100 lbs. seed</b>	<b>lbs. of a.i. per</b>
Mix 1 gallon of Thiram SC with 1 gallon of water	4.0 / 100 lbs.	0.131 lbs. a.i. per 100 lbs. seed

<b>Mist-o-matic Treaters:</b>		
<b>Treater Tank Concentration:</b>	<b>Fluid Ounces of Thiram SC per 100 lbs. seed</b>	<b>lbs. of a.i. per</b>
Mix 1 gallon of Thiram SC with 1 gallon of water	4.0 / 100 lbs.	0.131 lbs. a.i. per 100 lbs. seed

**Note:** To prevent water contamination in irrigation or drainage canals soak water must be retained in settling basins.

**FRUIT CROP APPLICATIONS**

**PRODUCT INFORMATION**

Thiram SC is a broad spectrum foliar fungicide for plant disease control or suppression in peaches and strawberries.

**PRODUCT DIRECTIONS**

Be sure spray equipment is clean before use. If it is contaminated with any material, crop injury or sprayer clogging may result. Calibrate spray equipment before use.

For foliar applications use directed rates for dilute, concentrate, and aerial applications. Ground application is preferred, especially when full canopy of foliage exists. For dilute application, use Thiram SC at the directed rate listed in the "Quarts per Acre" column of the Specific Applications table. For concentrate ground application, apply the directed rate listed in the "lbs. a.i. per acre" column of the Specific Applications table in a minimum of 20 gallons per acre. For aerial application, apply the directed rate listed in the " lbs. a.i. per acre" column of the Specific Applications table in a minimum of 10 gallons per acre.

To mix, fill the spray tank about 2/3 full of water, and with agitator running, pour specified amount of material into spray tank. Finish filling the tank with water and continue agitation until material is thoroughly dispersed in the spray tank. Continue agitation and apply immediately.

Applications of Thiram SC are most effective when made before infection periods. Addition of a spreader/sticker to the finished spray may improve coverage of fruit and foliage. Make fresh spray mixtures for each application.

The following table shows suggested minimum spray volumes per acre; however, thorough coverage is essential for best results. The growth stage is a major factor in determining spray volume required to obtain thorough coverage. If there is a question regarding spray volumes needed, consult local extension service specifications for spray volumes applicable to your crop.

**SPECIFIC APPLICATIONS FOR THIRAM SC**

<b>PEACHES</b>			
<b>Diseases</b>	<b>Application Rate Quarts/Acre</b>	<b>Maximum Application Rate lbs. a.i./Acre</b>	<b>Application Instructions</b>
Brown Rot, Blossom Blight, Fruit Rot ( <i>Monilinia spp.</i> ) <sup>1</sup>	2.5	2.6 lbs. a.i. /Acre	For Blossom Blight, apply at 3-4 day intervals during bloom to protect blossoms. For Fruit Rot, apply at petal-fall, two weeks after petal-fall and in cover sprays at 7 day intervals if rot is apparent on green fruit.
Peach Leaf Curl ( <i>Taphrina deformans</i> )	2.5	2.6 lbs. a.i. /Acre	Apply dormant applications post-harvest in late fall and/or in late winter prior to bud swell, at bloom and petal-fall.
Rhizopus Rot ( <i>Rhizopus spp.</i> ) <sup>1</sup>	2.5	2.6 lbs. a.i. /Acre	Apply at petal-fall and repeat 3 to 5 times at 10-14 day intervals as needed.
Peach Scab ( <i>Cladosporium carpophilum</i> ) <sup>1</sup>	2.5	2.6 lbs. a.i. /Acre	Apply at petal-fall and repeat 3 to 5 times at 10-14 day intervals as needed.
<p><b>Restrictions:</b>                      REI: 24 hours                      PHI: 7 days                      Do not apply more than 2.5 quarts of product per acre per single application (2.6 lbs. of a.i. per acre per single application). Thiram SC has a maximum application rate of 5 applications per year (12.5 quarts of product per acre per year and 13.1 lbs. a.i. per acre per year).  <sup>1</sup>Not for use in California or Arizona</p>			

<b>STRAWBERRIES</b>			
<b>Diseases</b>	<b>Application Rate Quarts/Acre</b>	<b>Maximum Application Rate lbs. a.i./Acre</b>	<b>Application Instructions</b>
Gray Mold ( <i>Botrytis cinerea</i> )	1.5-2.5	2.6 lbs. a.i. /Acre	Begin application at or before bloom and continue on a 7-10 day interval through preharvest. Good coverage of strawberry buds, blossoms, and fruit are required for best results. Use the higher rate when climatic conditions are favorable for disease.
Anthracnose ( <i>Colletotichum acutatum</i> )  Leaf Spot ( <i>Mycosphaerella fragariae</i> )	2.0-2.5	2.6 lbs. a.i. /Acre	Begin application at or before bloom and continue on a 7-10 day interval through preharvest. Good coverage of strawberry buds, blossoms, and fruit are required for best results. Use the higher rate when climatic conditions are favorable for disease.
<p><b>Restrictions:</b>                      REI: 24 hours                      PHI: 24 hours                      The maximum single application for strawberries is 2.5 quarts of product per acre per single application (2.6 lbs. a.i. per acre per single application). Limit of 5 applications per year in areas west of the Mississippi River (12.4 quarts of product per year and 13.0 lbs. a.i. per acre per year). Limit to 12 applications per year in areas east of the Mississippi River (29.7 quarts of product per acre per year and 31.2 lbs. a.i. per acre per year).                      Leave 25-foot untreated buffer between treatment area and native plant communities and water bodies.</p>			

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**TURF APPLICATIONS**

Not for use on residential turf, parks, athletic fields, or turf grown for sale or other commercial use including sod.

Apply Thiram SC with properly calibrated mechanical or motorized spray equipment such as ground boom.

**Golf Course Tees and Greens**

**Restrictions**

- The maximum winter application rate of Thiram SC for turf is one application per year – 3.88 gallons of Thiram SC (16.3 lbs. a.i. per acre or 0.374 lbs. a.i. per 1000 sq. ft.) (11.4 fl oz of Thiram SC per 1000 sq. ft.).
- The maximum summer application rate of Thiram SC for turf is three applications per year – 2.42 gallons of Thiram SC (10.2 lbs. a.i. per acre or 0.234 lbs. a.i. per 1000 sq. ft.) (7.1 fl oz of Thiram SC per 1000 sq. ft.).
- The maximum annual application rate of Thiram SC is 11.19 gallons (47 lbs. a.i. per acre or 1.08 lbs. a.i. per 1000 sq. ft.) (32.9 fl oz of Thiram SC per 1000 sq. ft.).

Disease	Preventative Rate of Thiram SC	Curative Rate of Thiram SC	Notes
<b>Dollar Spot</b> <b>Brown Patch</b>	3.75 fl oz per 1000 sq ft (0.123 lbs. a.i. per 1000 sq ft) (5 quarts per acre)	7.1 fl oz per 1000 sq ft (0.234 lbs. a.i. per 1000 sq ft) (2.4 gallons per acre)	Preventative: Apply in mid-spring or when disease symptoms first appear. Spray at 14-day intervals throughout the expected disease period.
<b>Not for this use in California</b>			
<b>Rust</b> <b>Leaf Spot</b> <b>Melt Out</b> <b>Red Thread</b> <b>Copper Spot</b>	3.75 fl oz per 1000 sq ft (0.123 lbs. a.i. per 1000 sq ft) (5 quarts per acre)	7.1 fl oz per 1000 sq ft (0.234 lbs. a.i. per 1000 sq ft) (2.42 gallons per acre)	Same as Above

**Pink and Gray Snow Mold**

Thiram SC provides effective control or suppression of Snow Mold (*Fusarium nivale*) and (*Typhula spp.*). This product can be tank mixed with other snow mold fungicide products. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Disease	Rate of Thiram SC	Notes
Pink Snow Mold ( <i>Fusarium nivale</i> ) Gray Snow Mold ( <i>Typhula sp.</i> )	6- 11 fl oz per 1000 sq ft (0.196 – 0.360 lbs. a.i. per 1000 sq ft)	Spray in early to mid-winter just prior to the first snowfall. Tank mix Thiram SC with the specified rate of one or more of the active ingredients indicated above in sufficient water (2-5 gal per 1,000 sq ft specified) for proper coverage.

For additional information, refer to local state extension specifications for tank mix combinations shown effective for your area.

**DEER, RABBIT AND RODENT REPELLENCY on Deciduous and Evergreen Trees and Shrubs (and Non-Bearing Vines and Orchards Such as Grape Vines)**

**Restrictions**

- Thiram SC cannot be used on crops that will bear fruit within one year of application
- The maximum application rate for products applied as a mammal (deer) repellent is one quart of product in 3 - 7 gallons of water applied in an area of 1000 square feet (1.05 lbs. a.i. per 1000 square foot)
- Applications to ornamentals will be restricted to the following 17 Northern States and allowed during the winter season only (October through March): CT, DE, IL, IN, MA, MD, MI, MN, NH, NJ, NY, OH, PA, RI, VT, WI, and WV
- Thiram SC can be used year-round (January through December) in the following states: AK, AL, AR, AZ, CA, CO, DC, FL, GA, HI, IA, ID, KS, KY, LA, ME, MO, MS, MT, NC, ND, NE, NM, NV, OK, OR, SC, SD, TN, TX, UT, VA, WA, WY
- DO NOT graze or feed cover crops from treated orchards
- Apply Thiram SC every 4 – 6 weeks as needed
- Do not apply more than 4 applications per year (4.2 lbs of a.i per 1000 square ft per year)

***Bold, italicized text is information for the reader and is not part of the label.***

[Bracketed information is optional.] Text separated by / denotes and/or options.

Thiram SC can be used to protect nursery stock, shrubs, ornamentals, non-bearing orchards and vines such as grape vines from rabbit, deer and rodent depredation. Non-bearing is defined as crops that will not bear fruit within one year of application. **Thiram SC cannot be used on crops that will bear fruit within one year of application.** One application will protect treated parts from 1 to 3 months, depending upon weather conditions.

#### **Deer Repellency:**

This product can be used as a repellent in deterring deer from moving into unwanted areas because of local feeding and browsing. The product is most effective when used in combination with mechanical deterrents including ditches, fences, etc. Prepare and spray Thiram SC as indicated below depending upon season and type of application desired. Spray to a height of 5 feet. Repeat applications may be necessary to protect new growth. The addition of a latex based sticker prolongs the residual effectiveness of the treatment. Repellency is the result of rendering the treated plant parts distasteful. Some feeding may occur. As always, read and follow label directions for best results.

#### **Spray Applications: Foliar**

Add 1 quart Thiram SC (1.05 lbs. of a.i.) to 7 quarts of water and apply as a full coverage spray to all portions of the plant to be protected. For greater retention and residual efficacy add 1 pint of latex based sticker to the spray solution. Do not use wetting agents or surfactants as foliar damage may result. For best results spray when temperatures are greater than 40°F and relative humidity is less than 70 percent.

#### **Spray Application: Tree Trunks and Dormant Plants**

Add 1 quart of Thiram SC (1.05 lbs. of a.i.) to 3 quarts of water and apply as a spray to all portions of the plant to be protected. For greater retention and residual efficacy add 1 pint of latex based sticker to the spray solution.

#### **Brush on Application:**

Add Thiram SC undiluted with a paintbrush to stem parts and trunks to be protected. For greater retention and residual efficacy blend 4 fluid ounces of latex based sticker into 1 gallon of Thiram SC prior to brushing.

### **STORAGE AND DISPOSAL**

**Do not contaminate water, food or feed by storage and disposal.**

**Pesticide Storage:** Do not contaminate water, food, or feed by use or storage. Store in original containers only in a secured area inaccessible to children and unauthorized persons. Absorb spills onto clay, sand or vermiculite and hold for proper disposal. Protect from excessive heat. Keep from freezing.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a VIOLATION OF FEDERAL LAW. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Handling [2.5-gallon containers]:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available.

**Container Handling [266-gallon totes]:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available.

**Note to PM:**

EPA Reg. No. 45728-26

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**TERMS OF SALE OR USE:** On purchase of this product, buyer and user agree to the following conditions:

**Warranty:** To the extent consistent with applicable law, Taminco US LLC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

**Damages:** To the extent consistent with applicable law, Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

For emergencies involving a spill, leak, fire, exposure, or accident, contact: CHEMTREC at (800) 424-9300. For product usage information, phone Taminco US LLC, toll free at (800) 223-3258 from 9:00 AM to 5:00 PM Eastern Time.

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300. For Medical Emergencies Only Call *insert phone number*.

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